



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION IX  
75 Hawthorne Street  
San Francisco, CA 94105

June 10, 1998

MEMORANDUM

SUBJECT: Addendum to the Duck Valley Indian Reservation Water Quality Investigation - Phase I Sampling Analysis Plan, Owyhee, NV (EPA QA Program Document Control Number [DCN] WATR185S98VSF1)

FROM: Gail Jones, Environmental Scientist  
Quality Assurance Program, PMD-3 *Gail Jones*

THROUGH: Vance S. Fong, P.E., Manager  
Quality Assurance Program, PMD-3 *Vance S. Fong*

TO: Alisa Wong, Project Manager  
Ground Water Office, WTR-9

The subject sampling and analysis plan (SAP) addendum for the Duck Valley Indian Reservation, prepared by MSE-Technical Applications and dated May 1998, was reviewed. The review was based on guidance provided in "Preparation of a U.S. EPA Region 9 Field Sample Plan for EPA-Lead Superfund Projects" August 1993 (9QA-05-93) and professional judgement.

The subject document is conditionally approved by the Quality Assurance (QA) Program. The following concerns need to be incorporated into the SAP before final approval can be granted.

**Concerns:**

[Table 1, Sample Location Description; Table 2, Request for Analytical Services] The following discrepancies were noted among these tables:

1. Sample number DV2-TS00 is listed in Table 1, but not in Table 2.
2. Sample numbers DV2-SCW01-01 and DV2-MVW01-01, for water analyses, are listed in Table 2 twice.
3. The quality control (QC) samples for the waters should not be listed as separate samples. Although a double volume is required for QC samples, they are not counted as separate samples.

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4. The column headings for the water samples on Table 2 list the "Number of Bottles." However, the last row lists the "Total Water Sample." While the number of bottles is 23, as listed on the table, the number of samples is only 17.
5. Based on item 4 above, since only 17 discrete samples are to be collected, only one QC sample is required.
6. Sample numbers DV2-MCTS01-1, -2, -3 and DV2-MCTS02-1, -2, -3, for fish analyses, are listed in Table 2, but not in Table 1.
7. Only two QC samples are required for the fish analyses.

Questions or comments regarding this review should be referred to Gail Jones of the EPA QA Program, at (415) 744-1498.